

DOCKET NO: 274940US0PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
KENICHI WAKUI : EXAMINER: HAILEY, P
SERIAL NO: 10/542,787 :
FILED: FEBRUARY 6, 2006 : GROUP ART UNIT: 1793
FOR: PROCESS OF CATALYTIC :
CRACKING OF HYDROCARBON

DECLARATION (37 CFR 1.132)

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Now comes Kenichi Wakui who deposes and says that:

- 1) I am inventor of the above-identified application;
- 2) In 1988 received the Master degree from Niigata University.
- 3) Since 1988 I have been employed by Idemitsu Kosan, CO., Ltd where I have been employed as a researcher engaged in the study of catalyst.
- 4) I have read and understand the Official Action from the U. S. Patent Office dated

July 16, 2009.

- 5) That in order to present aspects of fluidized catalyst bed technology that are pertinent to the process for producing light hydrocarbons of the present invention, I have attached a copy of several pages of text from the book identified as:
Catalyst technology course 3 Catalyst equipment and its design

which discusses aspects of fluidized catalyst bed technology. English language translations of portions of the text of the book at page 377, lines 18-19 and lines 22-30; page 377, last line

Application No. 10/542,787
Reply to Office Action of

to page 378, line 3 and page 419, lines 7-13. The translations make it clear that fluidized catalyst bed technology is distinct from fixed bed catalyst technology and that because of its distinctness, the two types of catalyst bed technology can not be viewed as functionally equivalent procedures. A detailed discussion of the differences is provided in the response that was filed on March 30, 2009.

6) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

7) Further, deponent saith not.

Date: 22 Dec. 2009

Kenichi Wakui